

Valeri N Kotov

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4594162/publications.pdf>

Version: 2024-02-01

16
papers

1,275
citations

1163117

8
h-index

1058476

14
g-index

16
all docs

16
docs citations

16
times ranked

1789
citing authors

#	ARTICLE	IF	CITATIONS
1	Electron-Electron Interactions in Graphene: Current Status and Perspectives. Reviews of Modern Physics, 2012, 84, 1067-1125.	45.6	999
2	Ferromagnetic Mott state in Twisted Graphene Bilayers at the Magic Angle. Physical Review Letters, 2019, 122, 246402.	7.8	154
3	Effect of uniaxial strain on ferromagnetic instability and formation of localized magnetic states on adatoms in graphene. Physical Review B, 2013, 87, .	3.2	21
4	$\langle \mathbf{m}_i \cdot \mathbf{m}_{i+1} \rangle \sim N^{-1}$ expansion in correlated graphene. Physical Review B, 2009, 80, .	3.2	20
5	Adsorption by design: Tuning atom-graphene van der Waals interactions via mechanical strain. Physical Review B, 2016, 93, .	3.2	15
6	van der Waals forces and electron-electron interactions in two strained graphene layers. Physical Review B, 2014, 89, .	3.2	14
7	Valley order and loop currents in graphene on hexagonal boron nitride. Physical Review B, 2015, 91, .	3.2	13
8	Negative hopping magnetoresistance and dimensional crossover in lightly doped cuprate superconductors. Physical Review B, 2007, 76, .	3.2	11
9	Theory of Liquid Film Growth and Wetting Instabilities on Graphene. Physical Review Letters, 2018, 120, 236802.	7.8	8
10	Designing Quantum Spin-Orbital Liquids in Artificial Mott Insulators. Scientific Reports, 2016, 6, 31737.	3.3	5
11	Coulomb interactions and renormalization of semi-Dirac fermions near a topological Lifshitz transition. Physical Review B, 2021, 103, .	3.2	5
12	Two-dimensional Bose-Hubbard model for helium on graphene. Physical Review B, 2021, 103, .	3.2	5
13	A Perspective on Collective Properties of Atoms on 2D Materials. Advanced Electronic Materials, 2022, 8, 2100607.	5.1	4
14	Anomalous transition magnetic moments in two-dimensional Dirac materials. Physical Review B, 2020, 102, .	3.2	1
15	ac hopping magnetotransport across the spin-flop transition in lightly doped La_2CuO_4 . Physical Review B, 2008, 77, .	3.2	0
16	Spinodal de-wetting of light liquids on graphene. Journal of Physics Condensed Matter, 2022, 34, 175001.	1.8	0